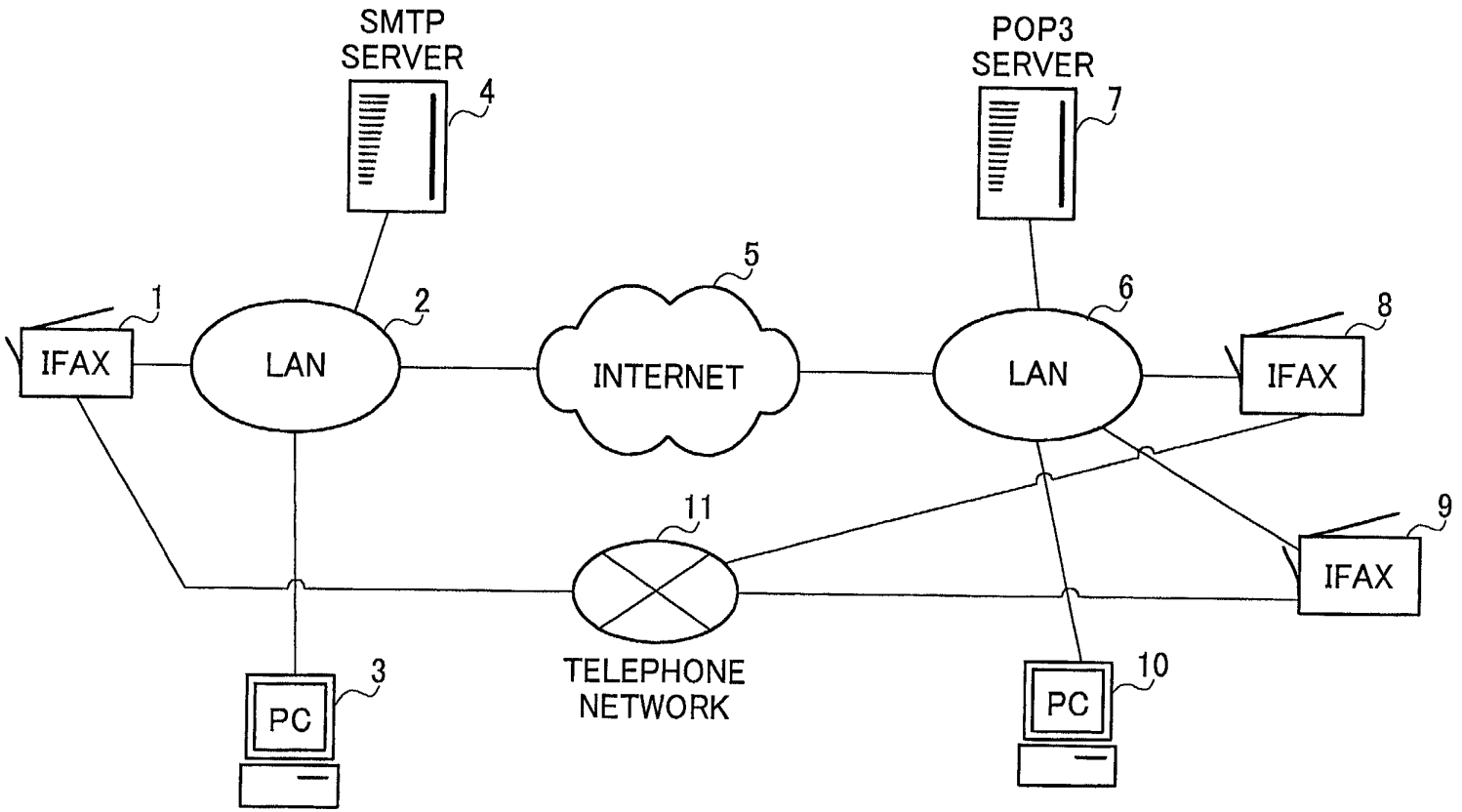

SMTP
SERVER
4
POP3
SERVER
7
5
1
2
6
8
IFAX
LAN
INTERNET
LAN
IFAX
11
9
IFAX
3
TELEPHONE
NETWORK
10
PC
PC

FIG.1

09/25/2006 15:56:04

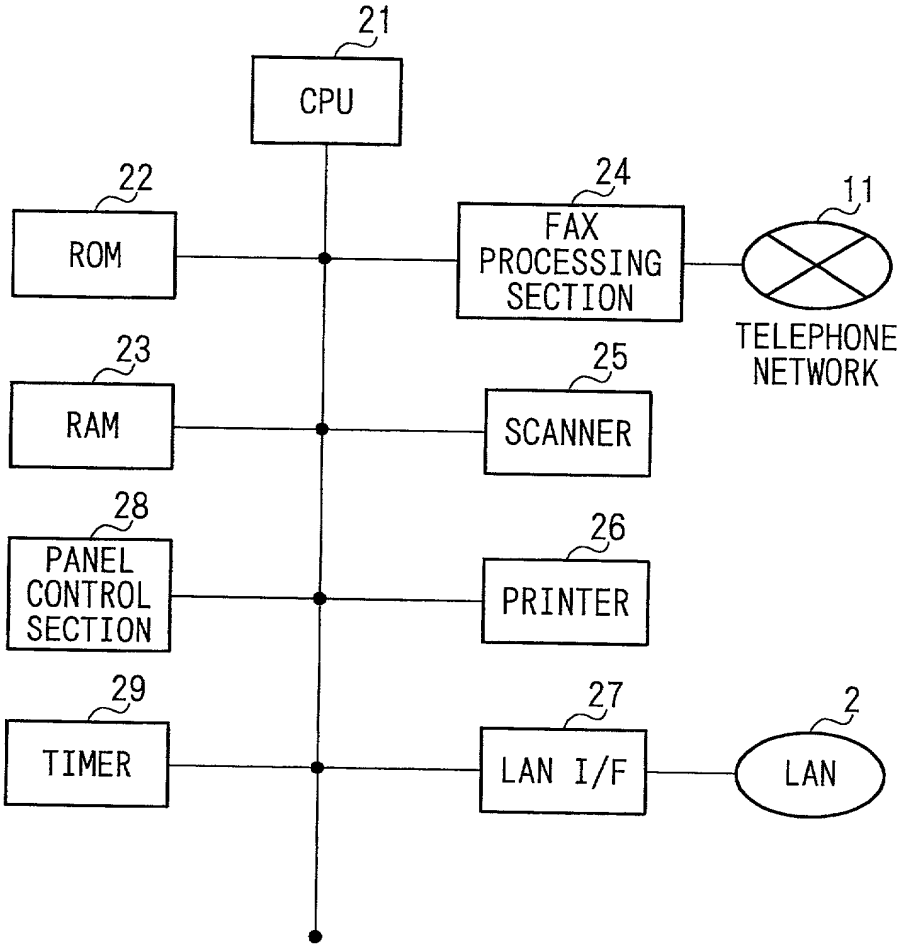


FIG. 2

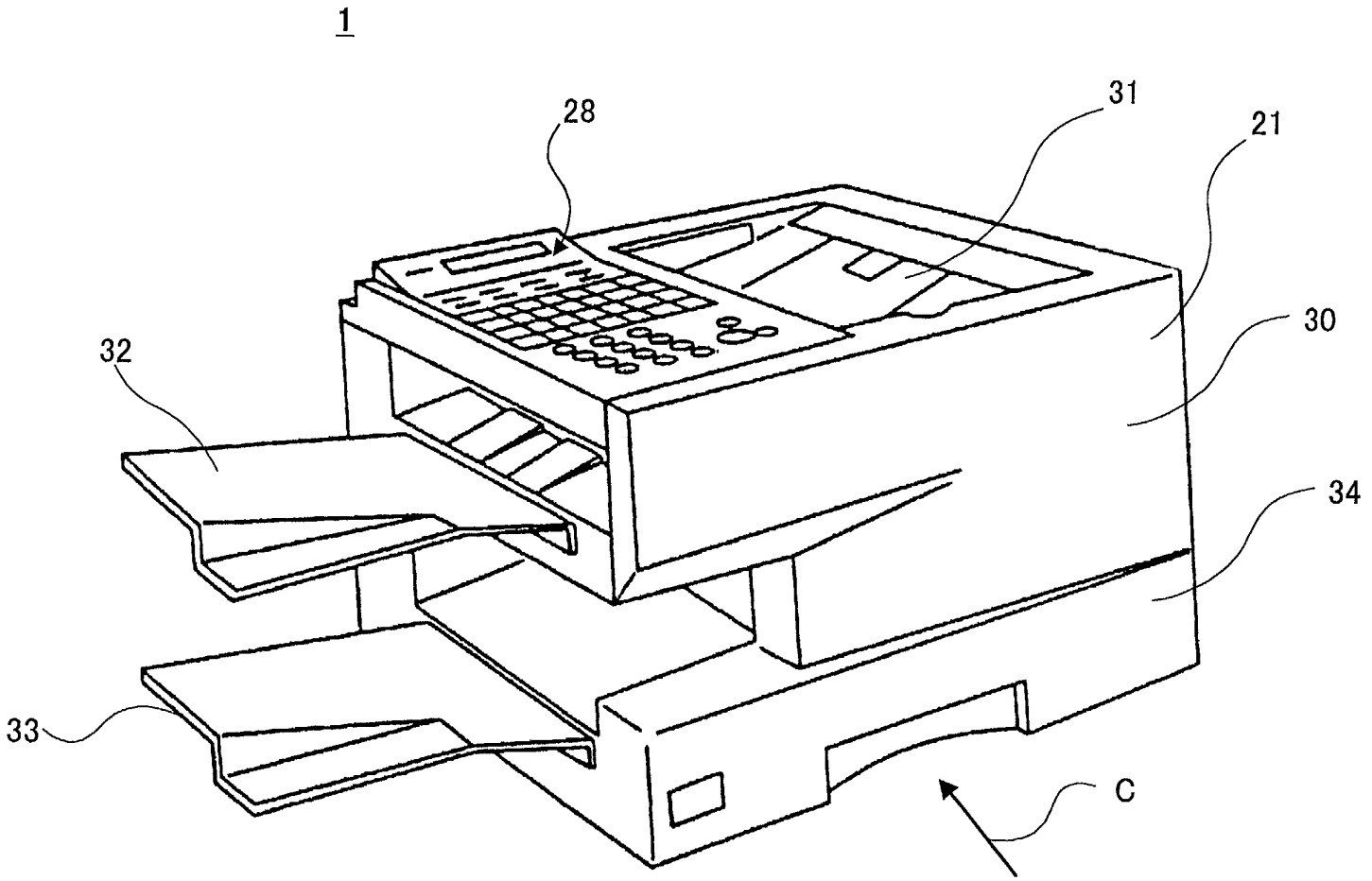


FIG.3

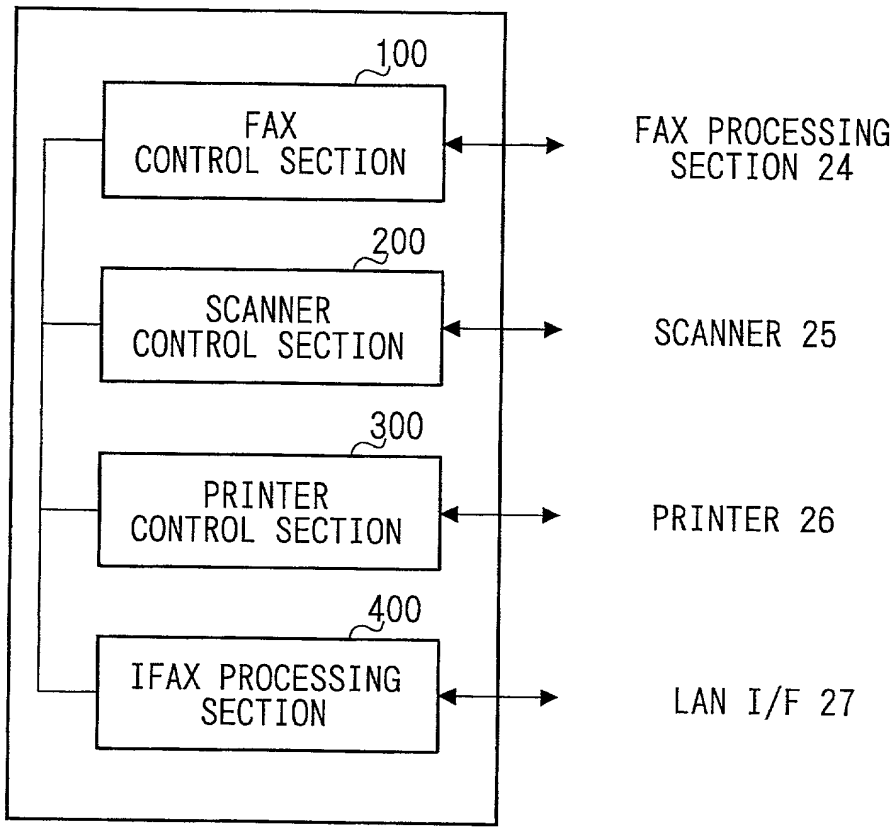


FIG. 4

EP 2 955 908 A1

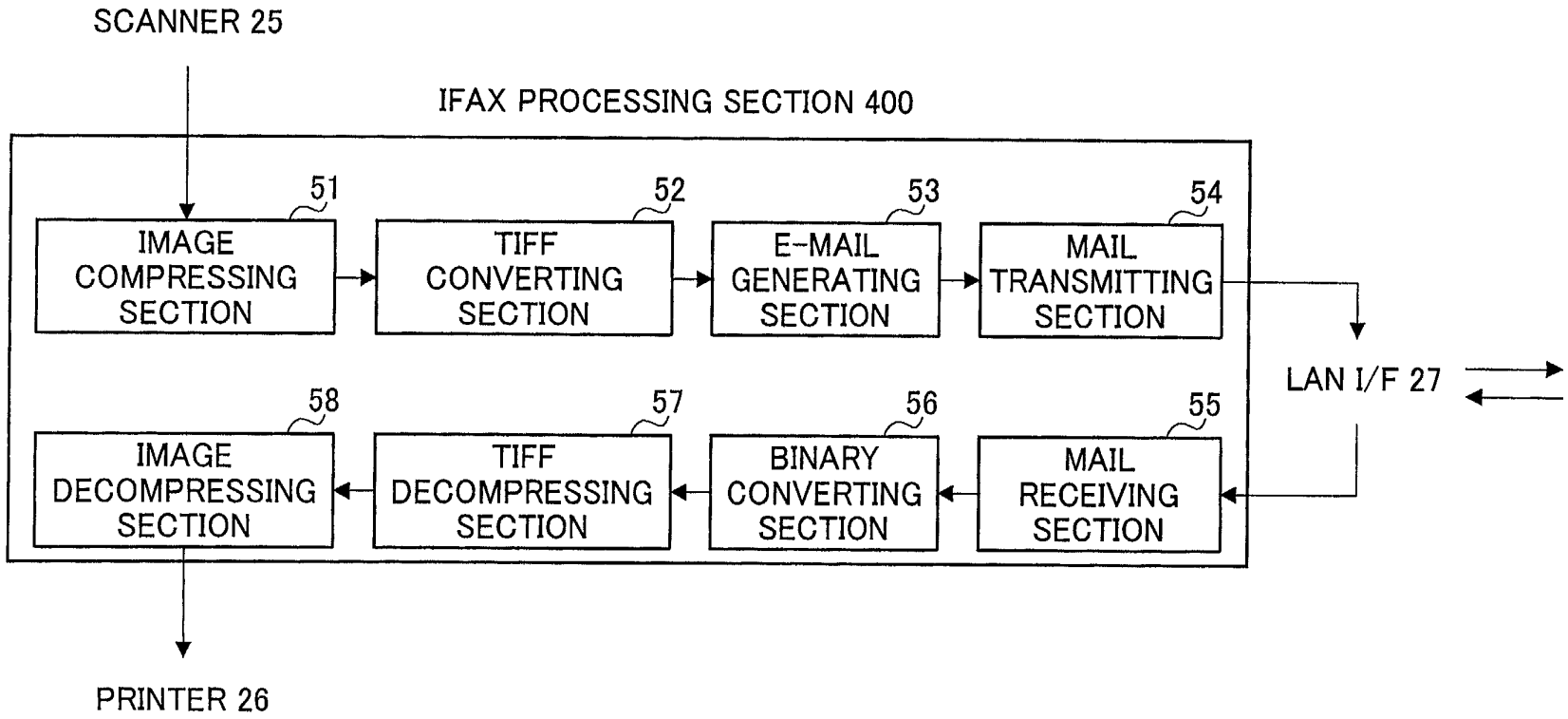

SCANNER 25
IFAX PROCESSING SECTION 400
51
IMAGE COMPRESSING SECTION
52
TIFF CONVERTING SECTION
53
E-MAIL GENERATING SECTION
54
MAIL TRANSMITTING SECTION
LAN I/F 27
58
IMAGE DECOMPRESSING SECTION
57
TIFF DECOMPRESSING SECTION
56
BINARY CONVERTING SECTION
55
MAIL RECEIVING SECTION
PRINTER 26

FIG.5

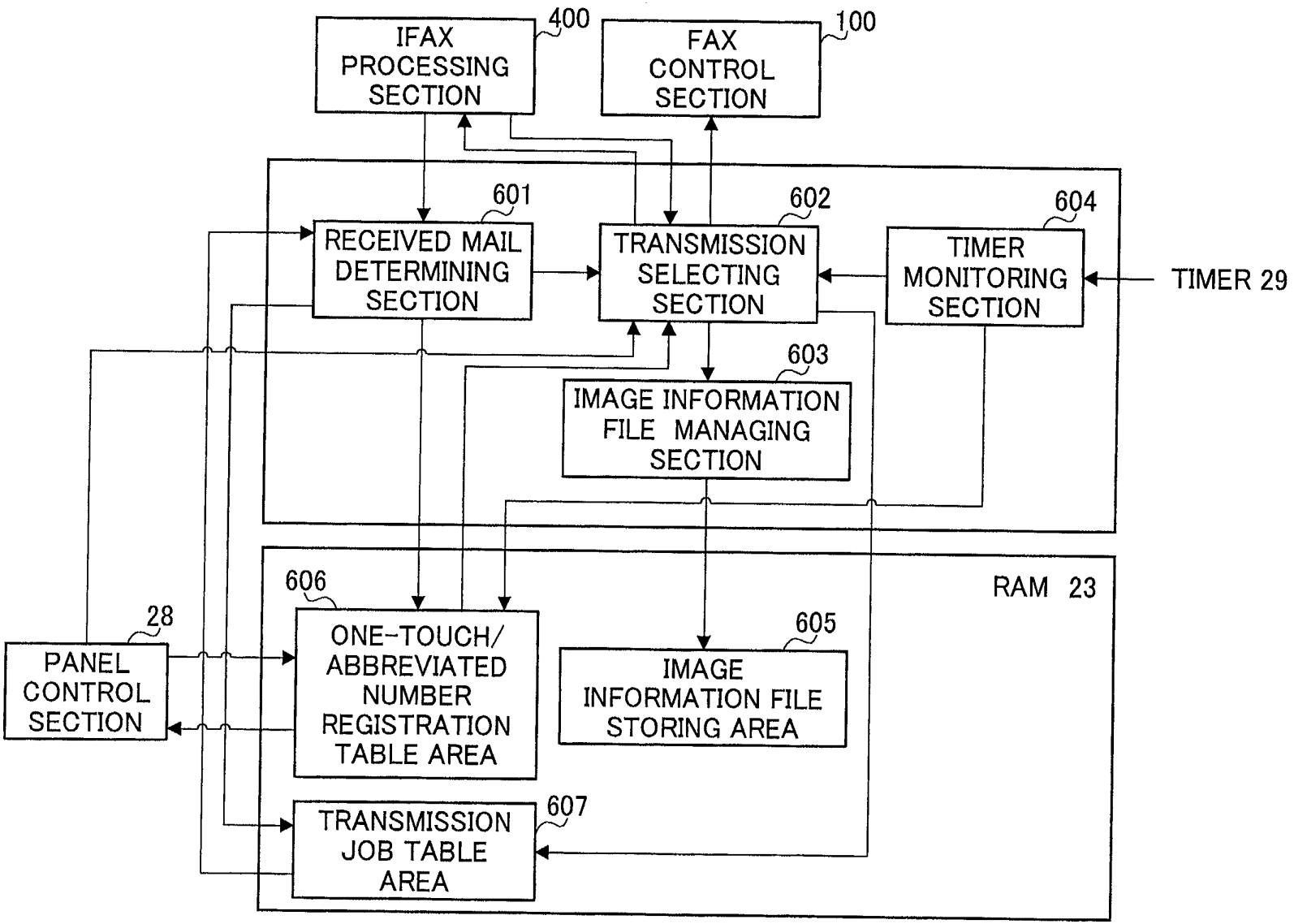

IFAX PROCESSING SECTION
400
FAX CONTROL SECTION
100
601
RECEIVED MAIL DETERMINING SECTION
602
TRANSMISSION SELECTING SECTION
604
TIMER MONITORING SECTION
TIMER 29
603
IMAGE INFORMATION FILE MANAGING SECTION
RAM 23
606
ONE-TOUCH/ ABBREVIATED NUMBER REGISTRATION TABLE AREA
605
IMAGE INFORMATION FILE STORING AREA
28
PANEL CONTROL SECTION
607
TRANSMISSION JOB TABLE AREA

FIG.6

ONE-TOUCH/ABBREVIATED
NUMBER REGISTRATION TABLE

701 No.	702 DESTINATION MAIL ADDRESS	703 TELEPHONE NUMBER	704 FAX TRANSMISSION FLAG	705 TIMER INITIAL VALUE(MIN.)	706 DELIVERY CONFIRMATION FLAG
001	Test@mgcs.co.jp	54347073	EXECUTE	10	EXISTENCE
002	Test2@mgcs.co.jp	(NON-REGISTRATION IS EXECUTED WHEN NO G3 TRANSMISSION IS PERFORMED)	NON-EXECUTE	5	ABSENCE
999	Test99@mgcs.com	00112345678	EXECUTE	60	EXISTENCE

FIG.7

TRANSMISSION JOB TABLE

801 MANAGE NUMBER	802 DESTINATION MAIL ADDRESS	803 TELEPHONE NUMBER	804 TIMER VALUE(MIN.)	805 TRANSMISSION MAIL MESSAGE ID	806 STATUS	807 FILE NAME
001	Test@mgcs.co.jp	54347073	10	199911300606.A002 @mgcs.co.jp	WAIT FOR DELIVERY CONFIRMATION	0123
002	Test2@mgcs.co.jp		5	199911300607.B002 @mgcs.co.jp	WAIT FOR TIMEOUT	0124

FIG.8

JP 2005-269504 A 2005.09.29

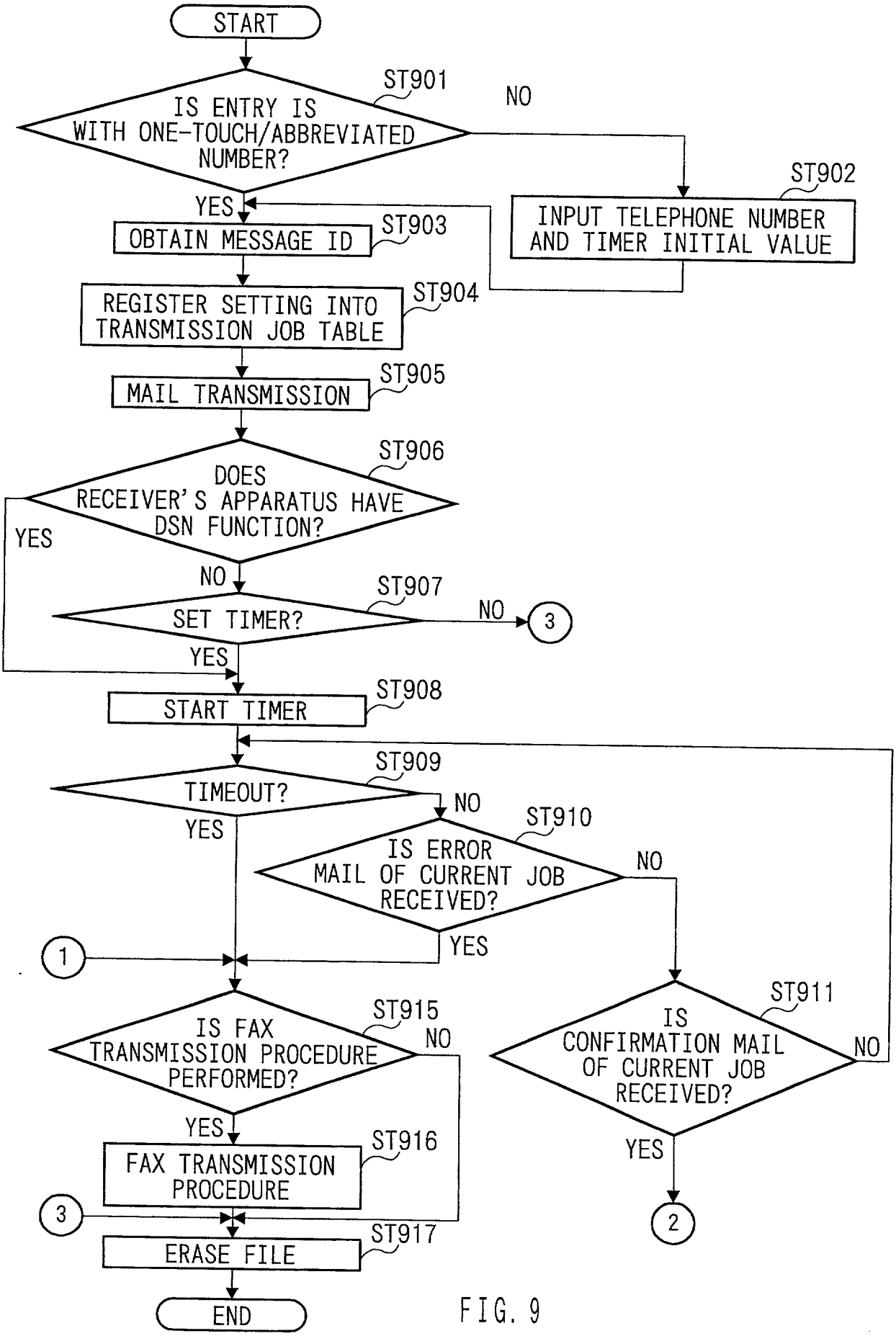


FIG. 9

JP 2005-056388 A 2005.03.03

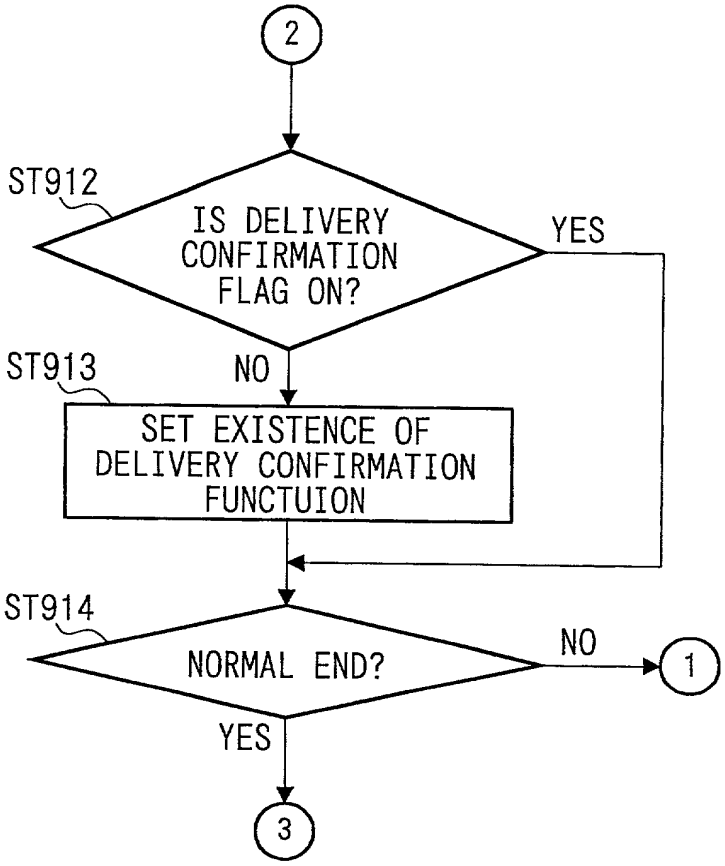


FIG. 10

Received: by bulls.mei.co.jp (8.9.3/3.7W) with internal id QAA04949;
Tue, 8 Feb 2000 16:18:49 +0900 (JST)
Date: Tue, 8 Feb 2000 16:18:49 +0900 (JST)
From: Mail Delivery Subsystem <MAILER-DAEMON@bulls.mei.co.jp>
Subject: Returned mail: Host unknown (Name server: mgcs.mei.jp.: host not found)
Message-Id: <200002080718.QAA04949@bulls.mei.co.jp>
To: <wakaba@rdmg.mgcs.mei.co.jp>
MIME-Version: 1.0
Auto-Submitted: auto-generated (failure)
Content-Type: multipart/report; report-type=delivery-status;
boundary="QAA04949.949994329/bulls.mei.co.jp"

The original message was received at Tue, 8 Feb 2000 16:18:45 +0900 (JST)
from dodgers.mei.co.jp [157.8.1.150]

----- The following addresses had permanent fatal errors -----
<wa1111@mgcs.mei.jp>

----- Transcript of session follows -----
550 <wa1111@mgcs.mei.jp>... Host unknown (Name server: mgcs.mei.jp.: host not found)

Content-Type: message/delivery-status

Reporting-MTA: dns; bulls.mei.co.jp
Received-From-MTA: DNS; dodgers.mei.co.jp
Arrival-Date: Tue, 8 Feb 2000 16:18:45 +0900 (JST)

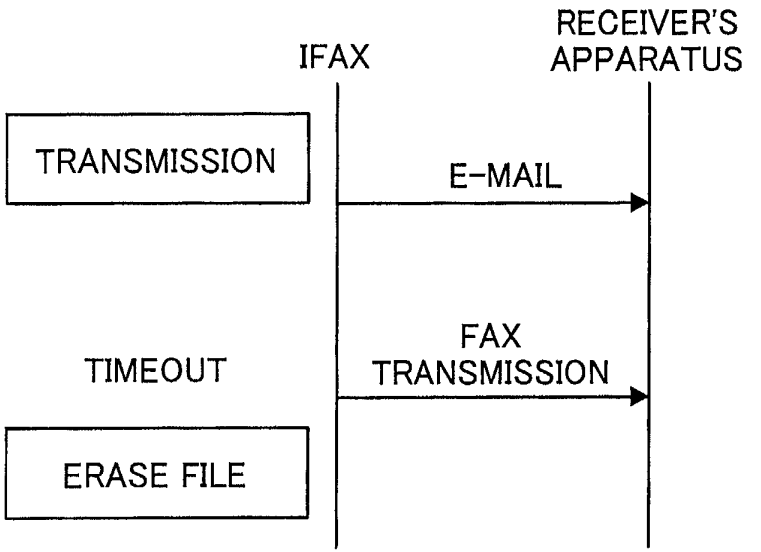
Final-Recipient: RFC822; wa1111@mgcs.mei.jp
Action: failed
Status: 5.1.2
Remote-MTA: DNS; mgcs.mei.jp
Last-Attempt-Date: Tue, 8 Feb 2000 16:18:48 +0900 (JST)

Received: from nwpc08.mei.jp
by server.mei.jp (8.9.3/3.7W-RDMG) with SMTP id QAA03777
for <wakaba@mei.jp>; Tue, 8 Feb 2000 16:15:29 +0900 (JST)
Message-Id: 200002080716.AA04530@ifax.co.jp ←--Message ID
From: Wakabayashi <wakaba@mei.jp>
Date: Tue, 08 Feb 2000 16:16:05 +0900
To: wakaba@mei.jp
MIME-Version: 1.0
X-Mailer: InternetFAX
Content-Type: text/plain; charset=iso-2022-jp

Thank you for your assistance.

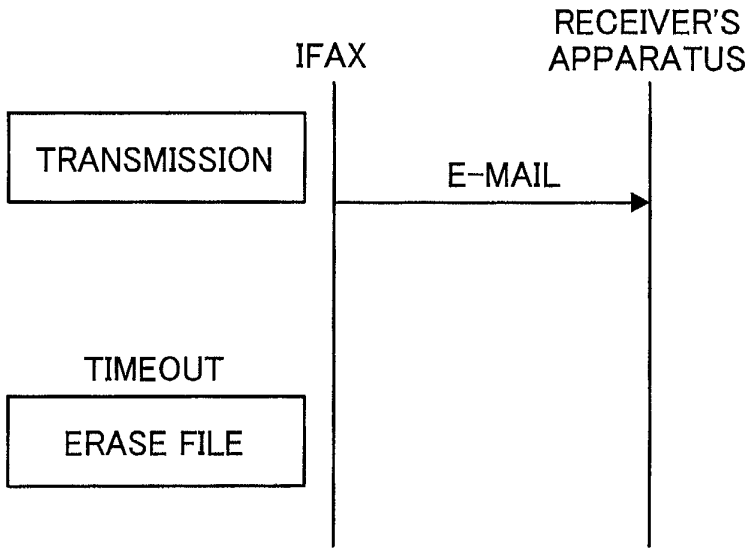
FIG. 11

IN CASE OF TIMEOUT
(CASE WHERE NEITHER ERROR MAIL NOR DSN IS RECEIVED)



CASE OF FAX TRANSMISSION

FIG.12A



CASE OF NO FAX TRANSMISSION

FIG.12B

IN CASE WHERE TRANSMISSION CONFIRMATION MAIL IS RECEIVED

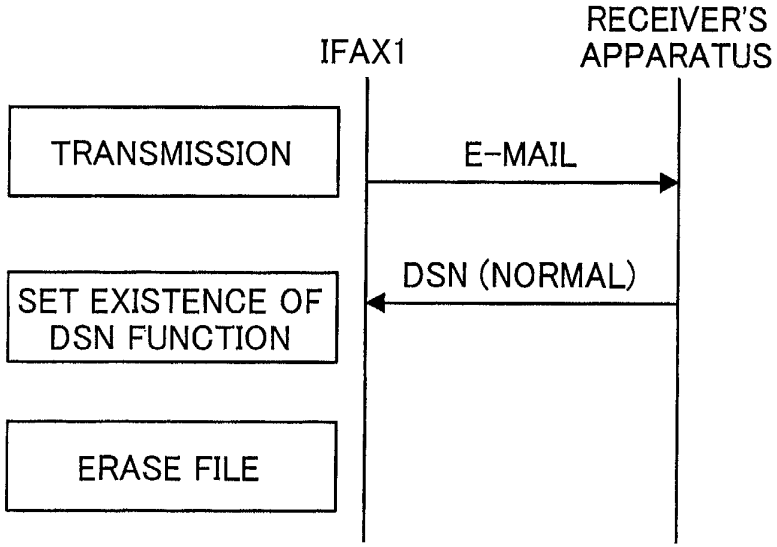


FIG.13A

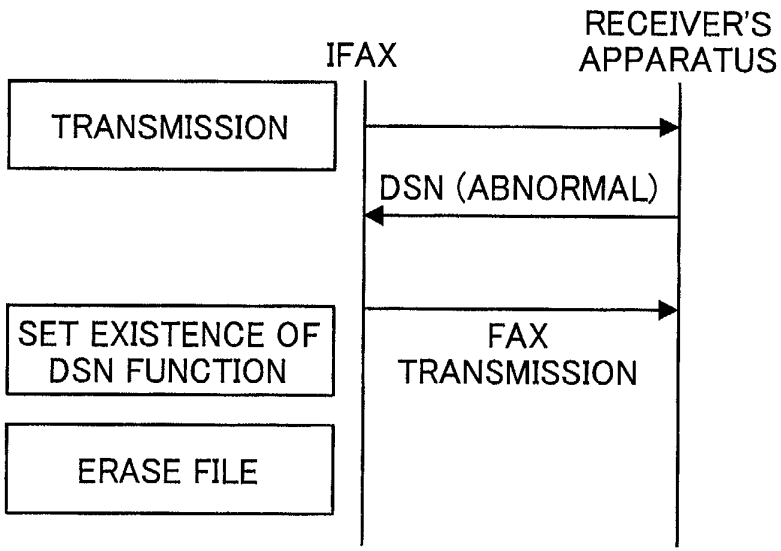
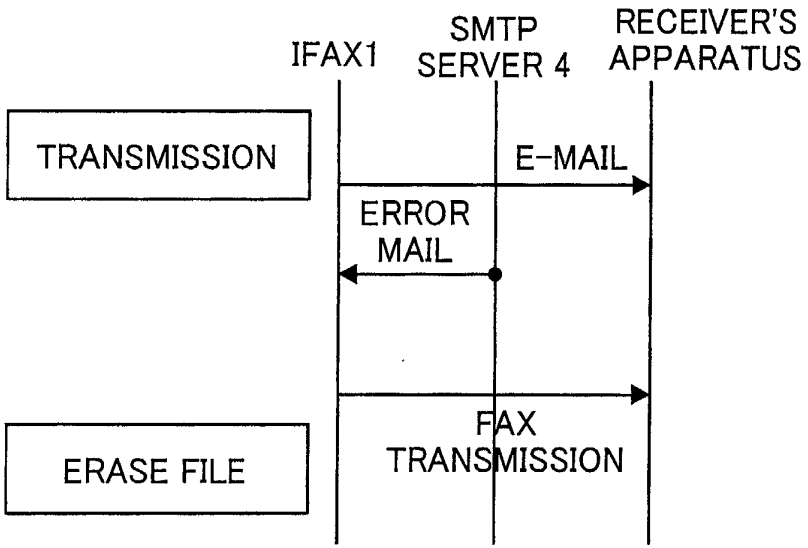


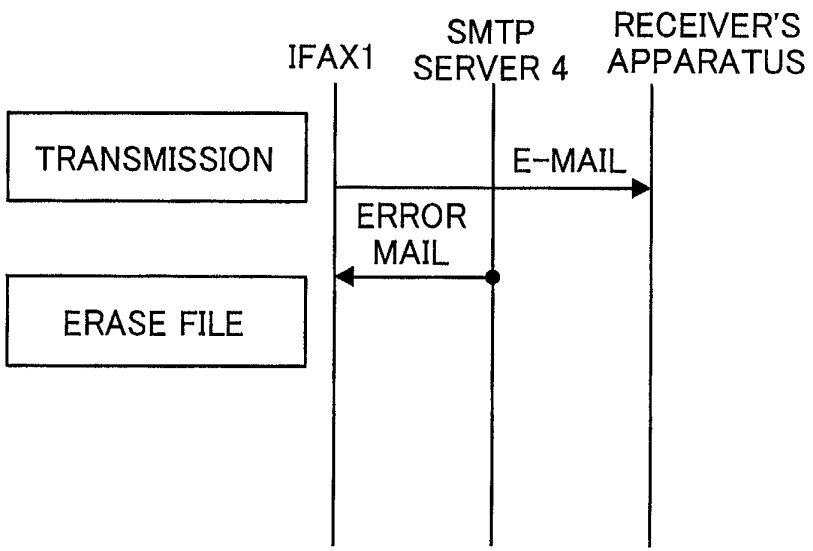
FIG.13B

IN CASE OF ERROR



CASE OF FAX TRANSMISSION

FIG.14A



CASE OF NO FAX TRANSMISSION

FIG.14B